



Teacher Science and Math Workshop

July 23 - 27, 2007

Supported by Space Florida & the NASA / Florida Space Grant Consortium

Florida Teachers (Grades 4-9) are invited to apply for a 5-day Space Academy to be held at the Center for Space Education at the Kennedy Space Center Visitor Complex. The Academy will provide opportunities for teachers to learn **inquiry science and math activities** for use back in the classroom. Teachers will also experience what it is like to be an aerospace scientist /engineer for a week while working on the design and building techniques required to launch a scientific payload on a weather balloon, set to soar to 100,000 feet (20 miles).

The Florida Teachers will work on 'real world' science and engineering projects - exposing them to problem solving experiences and team building activities.

These projects will include:

- 1) Build a 'live' Camera and GPS instrument to be launched on a scientific weather balloon.
- 2) Research stabilization methods for the balloon payload.
- 3) Experience the Kennedy Space Center with opportunities to meet NASA scientists and engineers.
- 4) Learn inquiry activities that can be used in the classroom on force and motion, as well as properties of matter, energy, algebra and geometry.
- 5) Receive classroom supplies so as to be able to conduct these activities in the classroom.
- 6) Receive 30 in-service points
- 7) Shared Hotel accommodation will be provided free of charge.

Qualifications

- 1) US Citizen, Florida Resident
- 2) Teacher of grades 4-9
- 3) Must be prepared to provide own transportation to the hotel, KSC transportation provided.

Academy details

- 1) The Academy will be held at the Center for Space Education Labs at the Kennedy Space Center Visitor Complex., hours - 9am - 4 pm. Participants may bring their own lunch.
- 2) The Academy is free to accepted applicants, and is funded by 'Space Florida', a special district of the Governor's office with goals to enhance space business and education.
- 3) Email or Fax Application Form to Tony Gannon, Education Director at tgannon@spaceflorida.gov, Fax: (321-730- 5307). Tel 321 730 5301 ext 23. Website: <http://www.spaceflorida.gov/>
- 4) Once accepted, there is a nominal refundable \$25 fee to hold your space in this Academy. You will be refunded the \$25 when you show up for the Academy.
- 5) Application dateline is Friday, June 22, 2007.